

Figure 1a
Single Stage Fluid Bed
Reactor
for any Silicon Containing
Gas (Silane or
Trichlorosilane
and 3 SCG Inlet Coolers
(two of three shown))

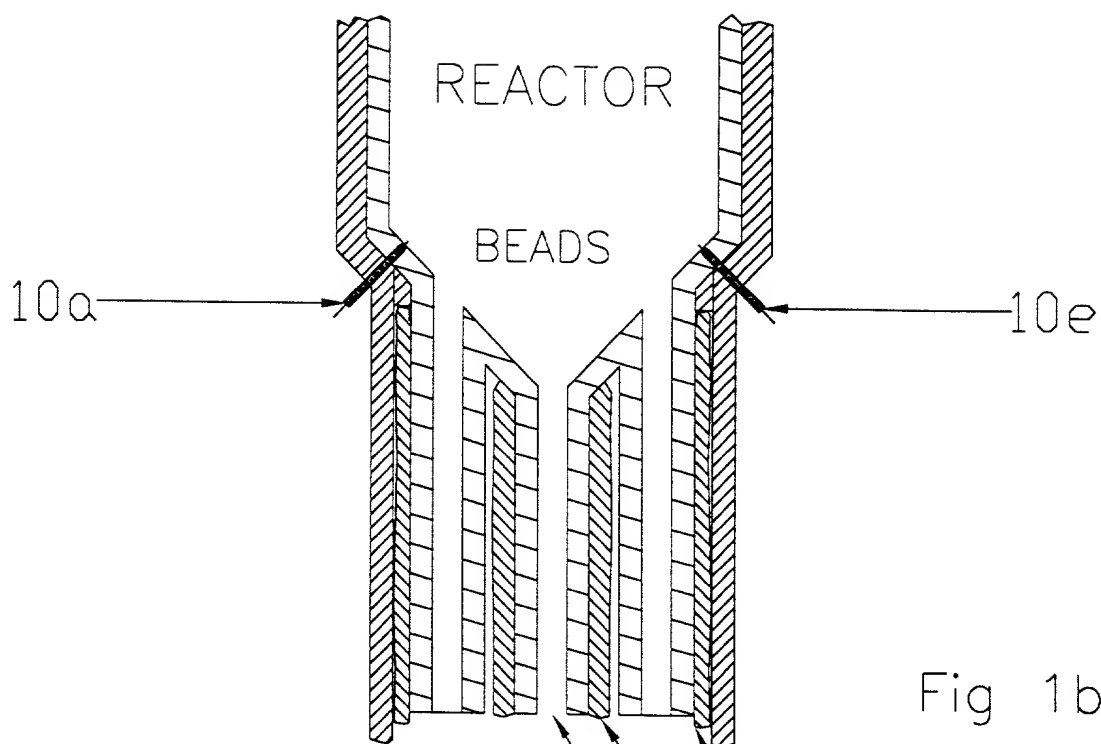
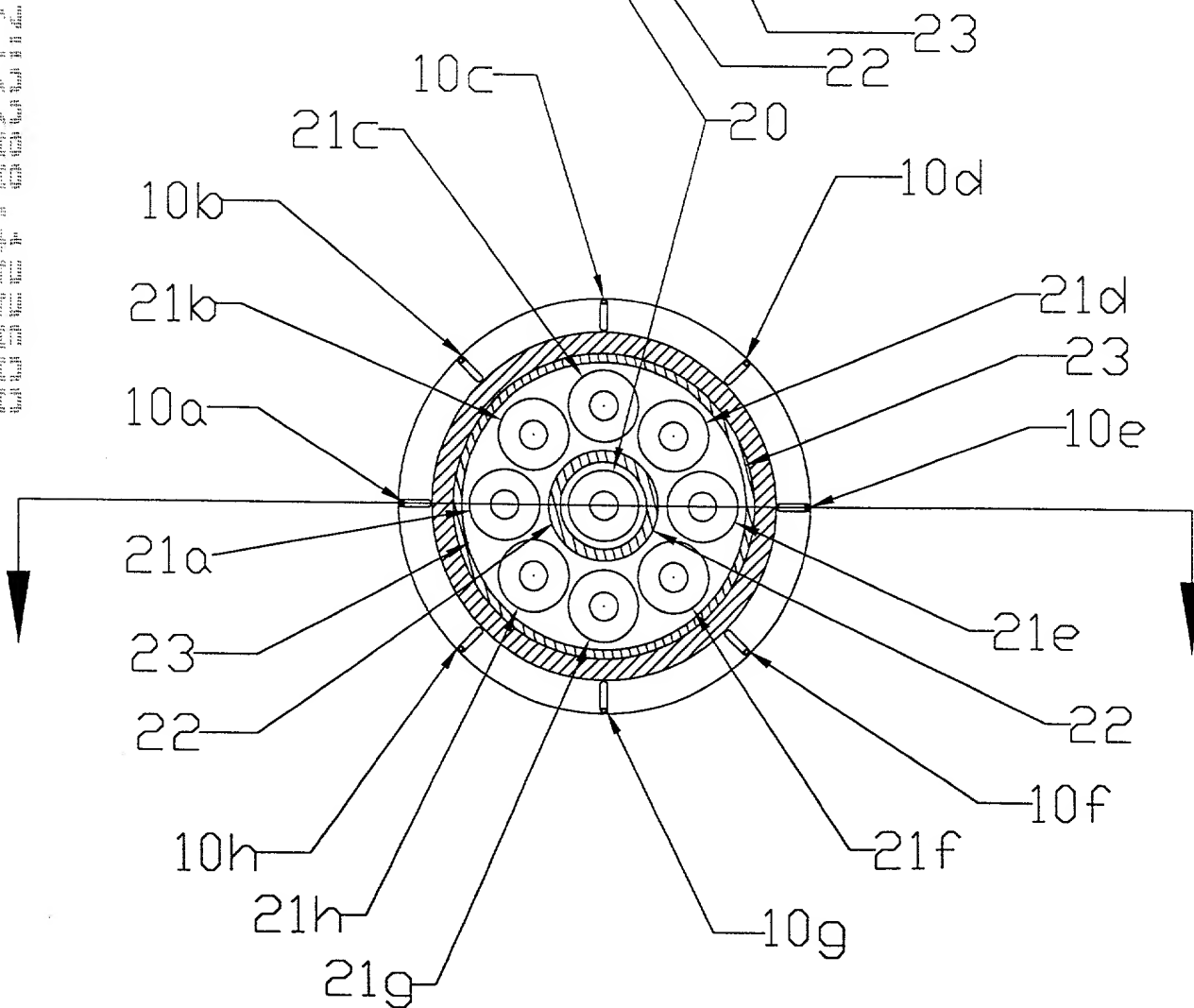


Fig 1b



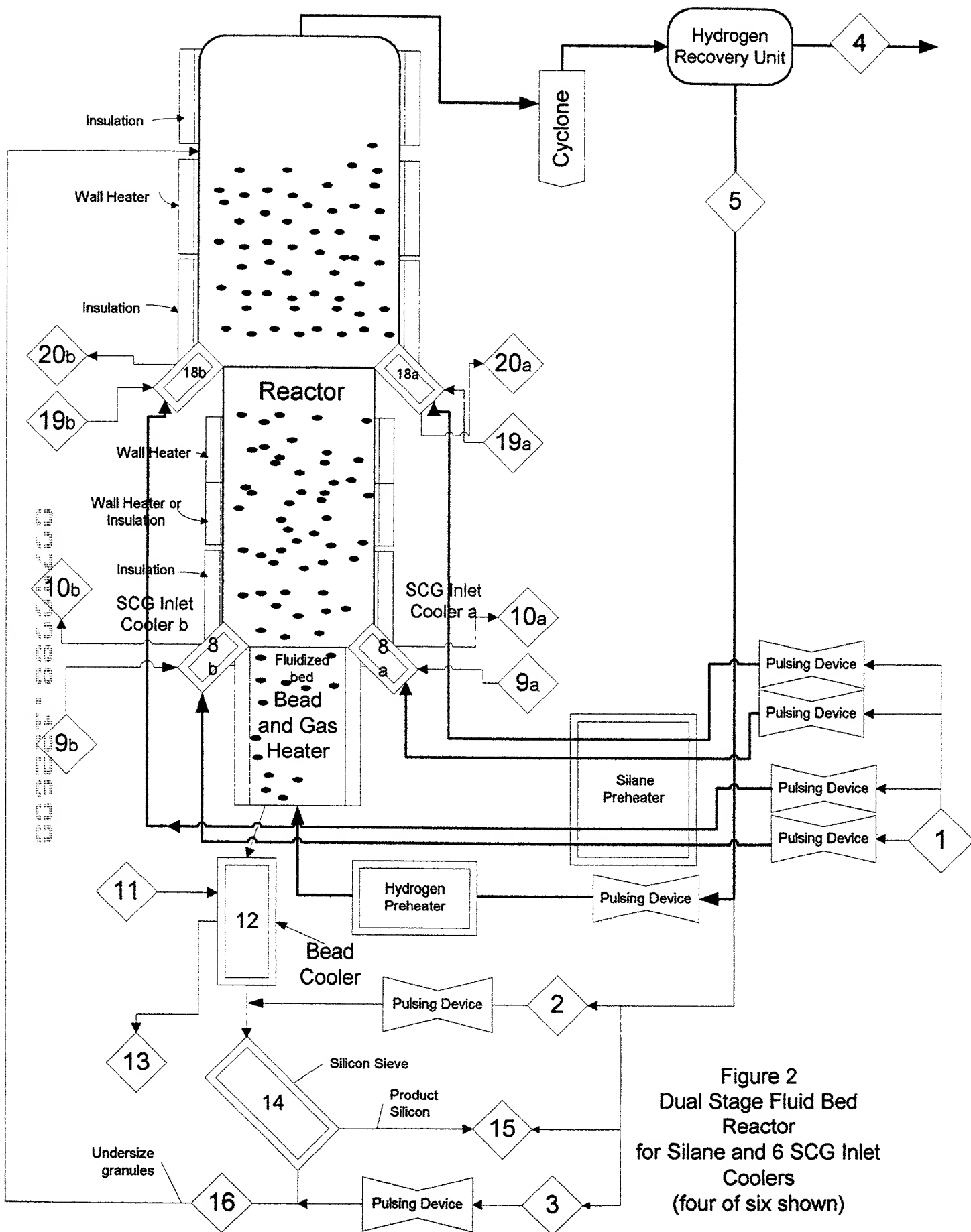


Figure 2
Dual Stage Fluid Bed
Reactor
for Silane and 6 SCG Inlet
Coolers
(four of six shown)

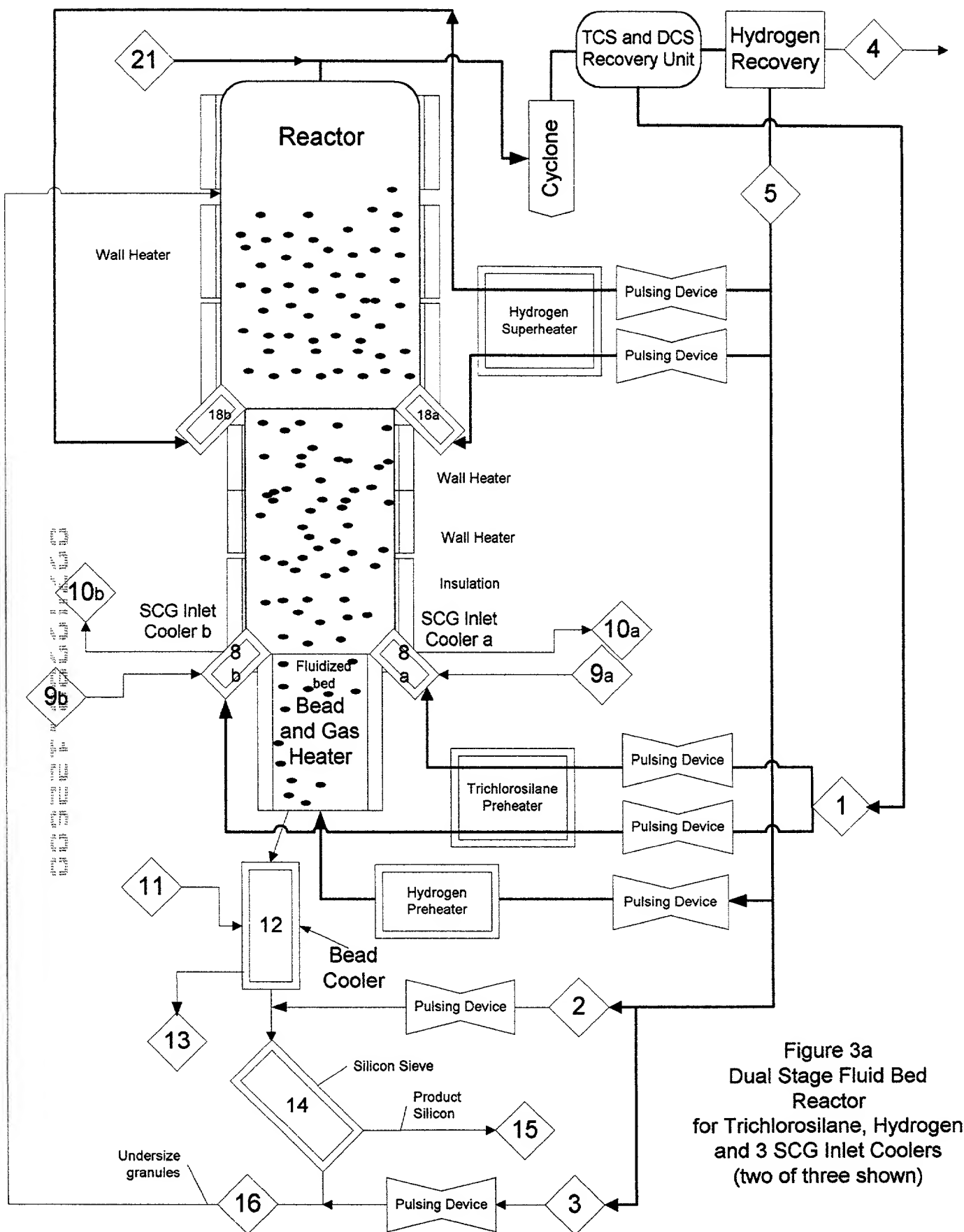


Figure 3a
Dual Stage Fluid Bed
Reactor
for Trichlorosilane, Hydrogen
and 3 SCG Inlet Coolers
(two of three shown)

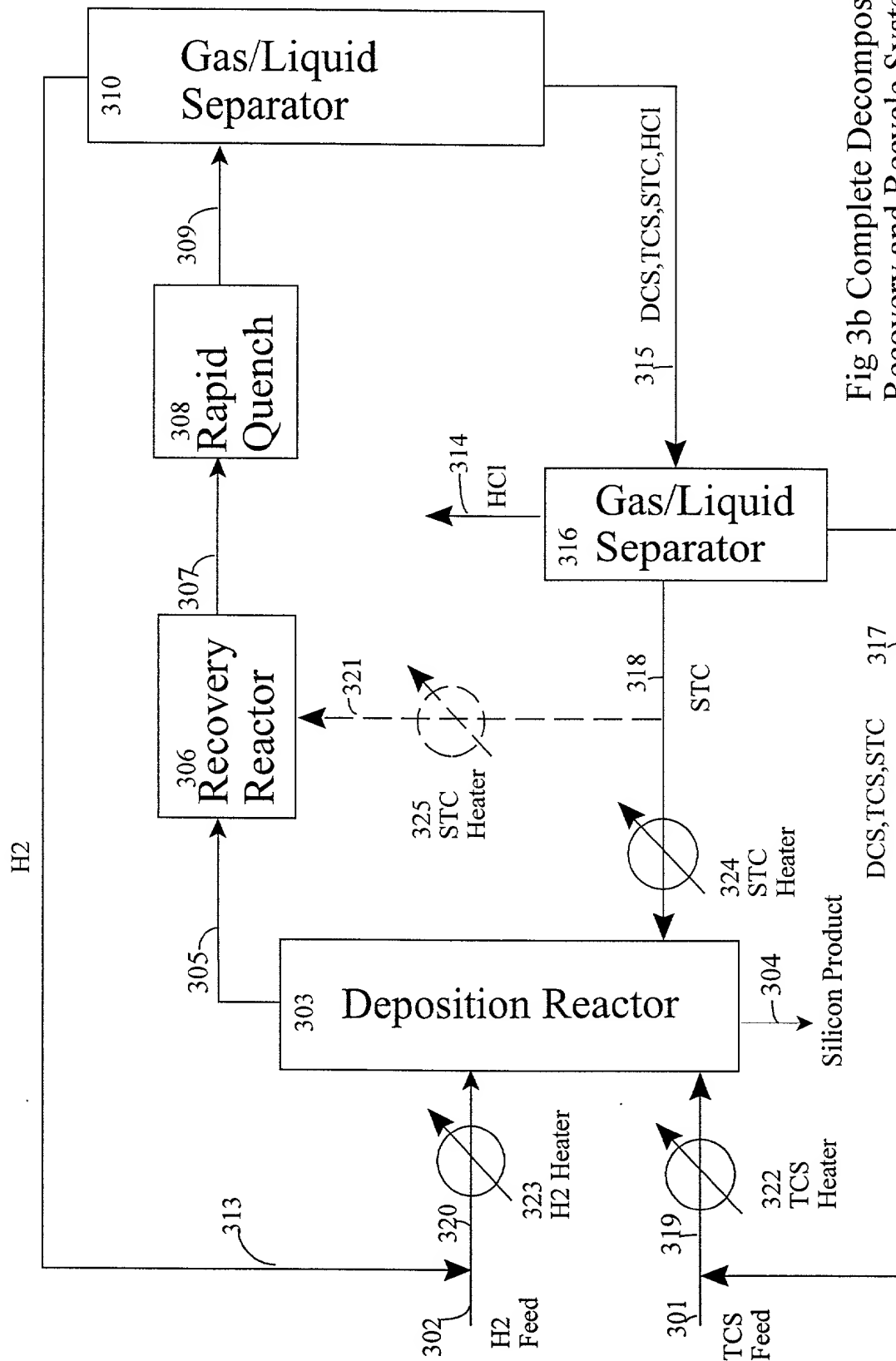


Fig 3b Complete Decomposition, Recovery and Recycle System Using Two Gas Liquid Separators

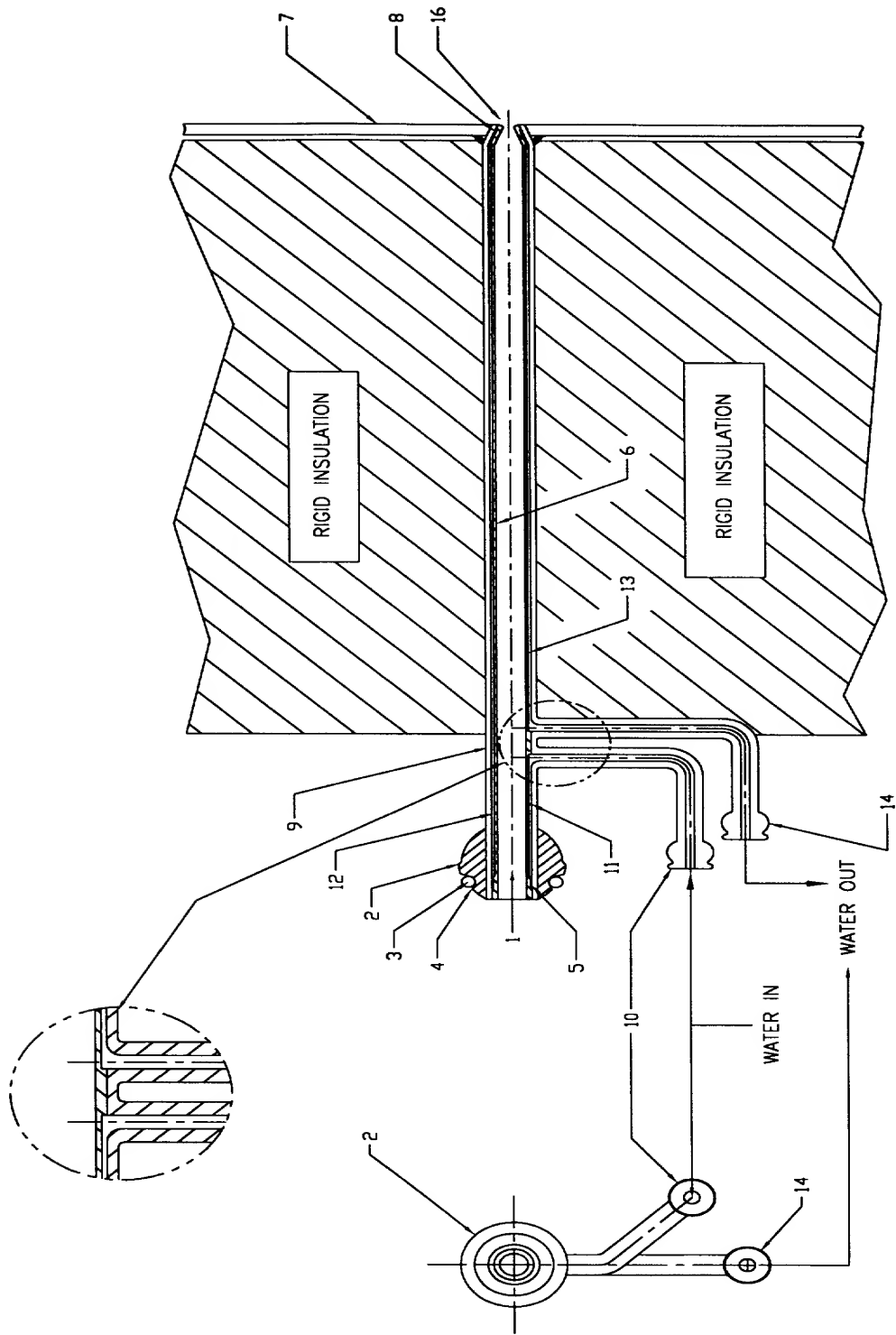


Fig 4a

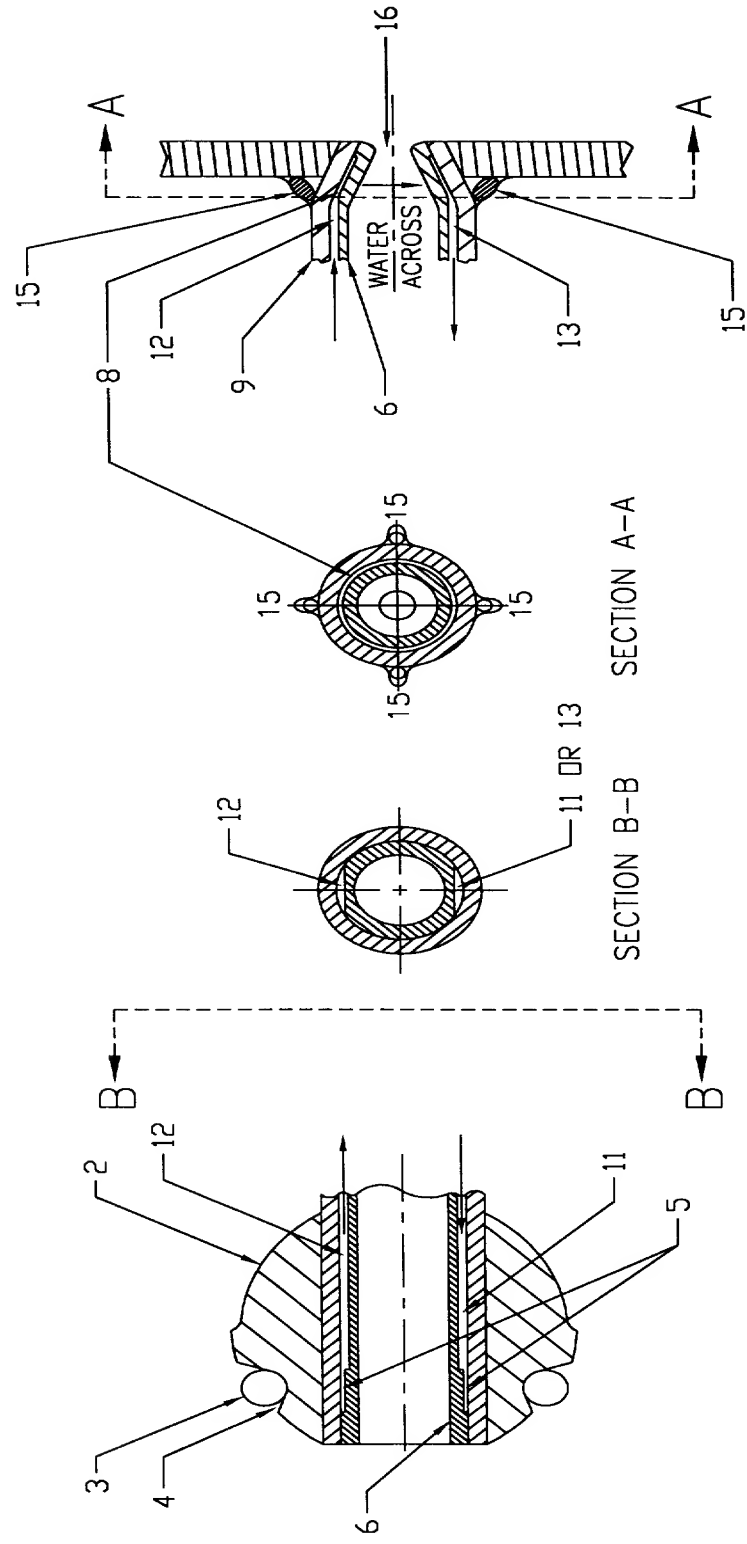


Fig 4b

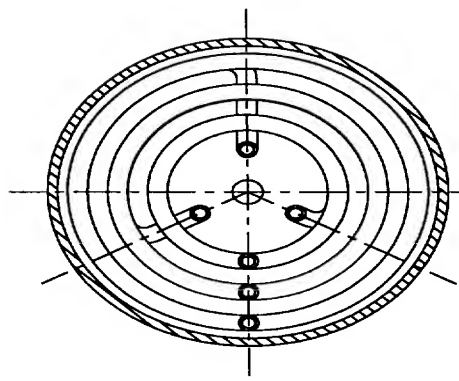
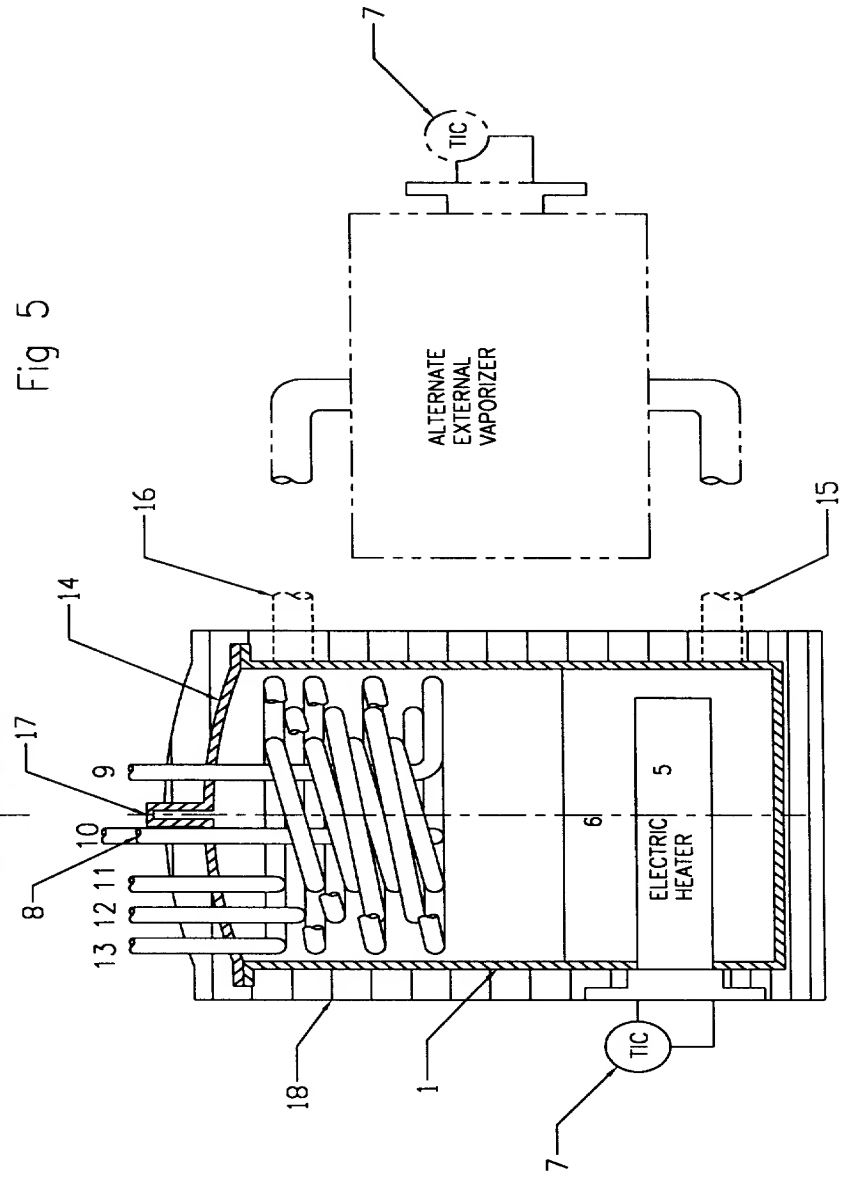


Fig 5



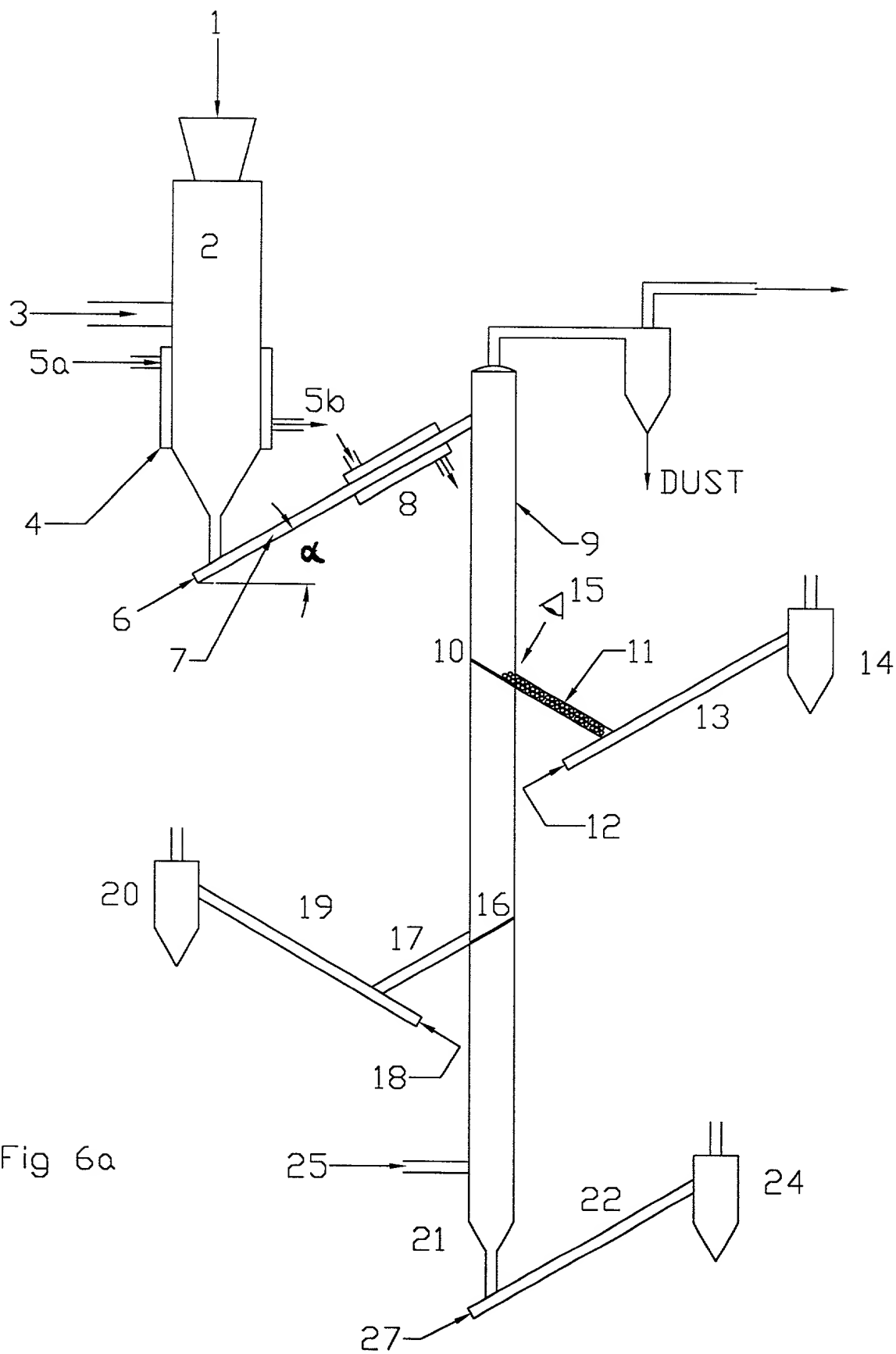


Fig 6a

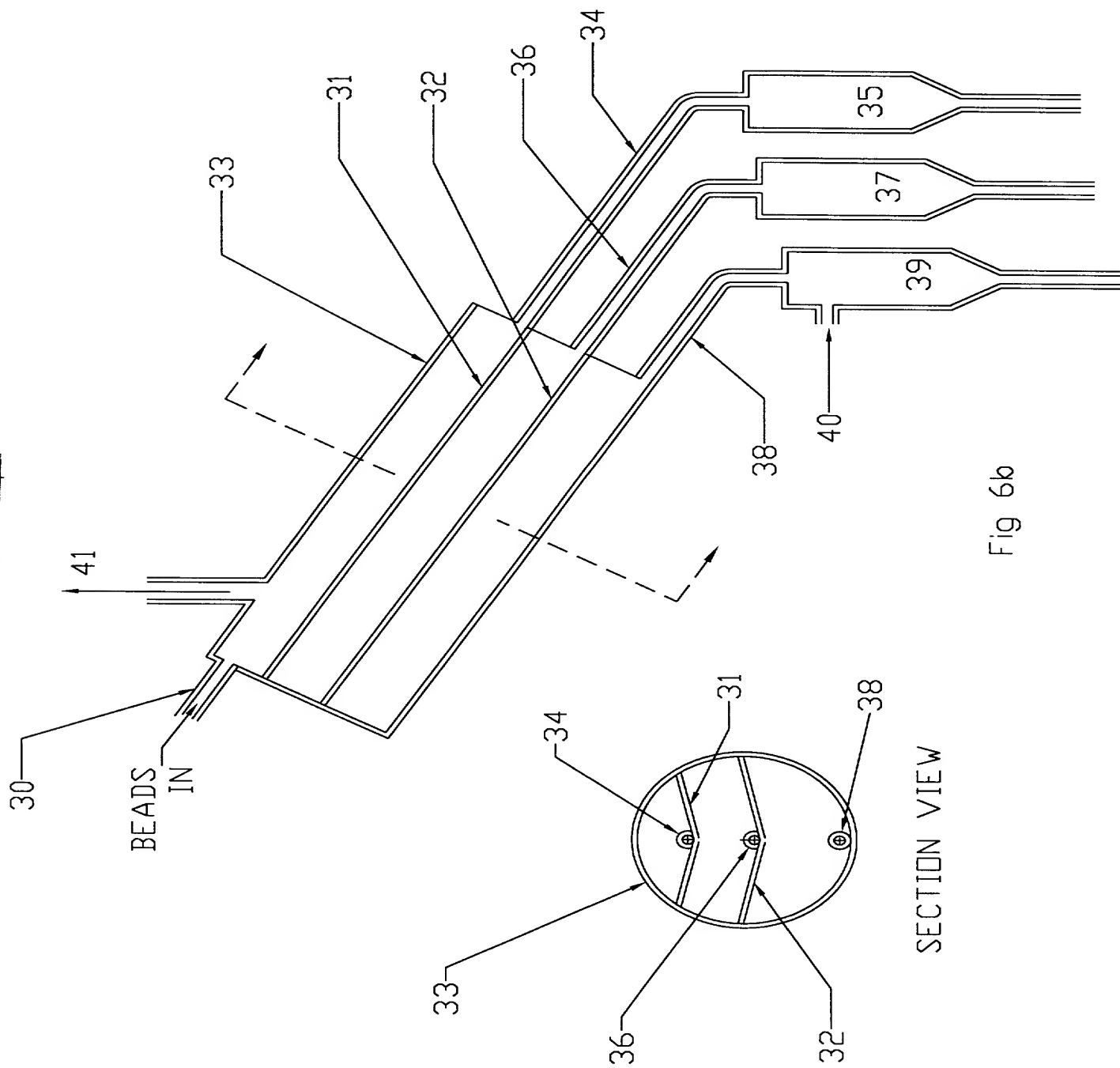


Fig 6b